

SYSTEM AND METHOD FOR LOSSLESS DATA TRANSMISSION

Abstract

A method for losslessly transmitting data is provided. The data is separated into two or more portions and the second portion is subtracted from the first portion to find a difference. The first portion and the difference are transmitted, and then the second portion is reconstructed by adding the difference to the first portion. The data may comprise two or more images, with each image being a temporally displaced version of the preceding image. Each image may be divided into multiple areas, where the areas on each image correspond to the areas on the other images. A difference may be obtained by subtracting each area of an image from the corresponding area of the preceding image. The first image may then be transferred as a reference image along with the differences, and each image may be reconstructed by adding each difference to the corresponding area of the previous image.

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Figures

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